Ocean and Sturgeon Instructions

The ocean is a vast ecosystem, which contains billions of living organisms. Atlantic sturgeon are just one species that call the ocean their home. Humans affect the ocean and it's marine life everyday through their behavior and actions. Some people do not even realize how much they are negatively affecting the ocean ecosystem.

Work with your assigned partner to follow the instructions and guidelines to complete the assignment. Make sure to read the rubric carefully so you know what you will be graded on.

1. Fill in your brainstorming cluster map. You must think of ten ideas.

2. Use the available Internet resources to determine why the ocean might be in danger. Search for facts, tips, and other important information. Take notes on the information you find. Include at least three important pieces of information from each site.

3. Using your notes, start working on your concept map.

4. Make sure to show at least 15 relationships between humans, Atlantic sturgeon, and the ocean.

5. Edit your maps, fixing any spelling or grammar mistakes.

6. Prepare to present your cluster and concept maps to the class.

7. Organize your information in the following order; brainstorm cluster map, notes, and concept map.

Rubric

Area	Guidelines	Points
Participation and cooperative learning	• Partners followed all instructions. • Partners worked cooperatively. • Partners stayed focused and on task.	25 pts
Cluster map (brainstorming) and notes	• Partners had ten or more ideas on the brainstorming cluster map. • Partners went to every resource site. • Partners took notes and listed at least 3 pieces of important information from every site.	30 pts
Concept map	• Concept map shows at least 15 relationships between humans, Atlantic sturgeon, and the ocean. • Concept map is organized. • Concept map is edited and free of any mistakes.	25 pts
Presentation	• Partners speak clearly and understandably when presenting. • Partners are able to explain what they learned to the class appropriately. • Both partners participate.	20 pts

Website Resource Page

Here are the resources you will use to increase your understanding of the ocean. Visit each site. Find at least 3 interesting facts, ideas, or tips from each, and write about them in your notes.

http://www.greenpeace.org/usa/campaigns/oceans/threats

http://seawifs.gsfc.nasa.gov/OCEAN_PLANET/HTML/peril_marine_debris.html

http://www.nature.org/initiatives/freshwater/strategies/estuaries.html

http://seawifs.gsfc.nasa.gov/OCEAN_PLANET/HTML/education_threats.html

http://dusk.geo.orst.edu/oceans/yoto.html

http://www.oceana.org/north-america/home/guide

http://oceanservice.noaa.gov/education/kits/estuaries/estuaries09_humandisturb.html

http://www.wired.com/science/discoveries/news/2004/06/63699

Concept Map

Ocean

Atlantic Sturgeon

Humans
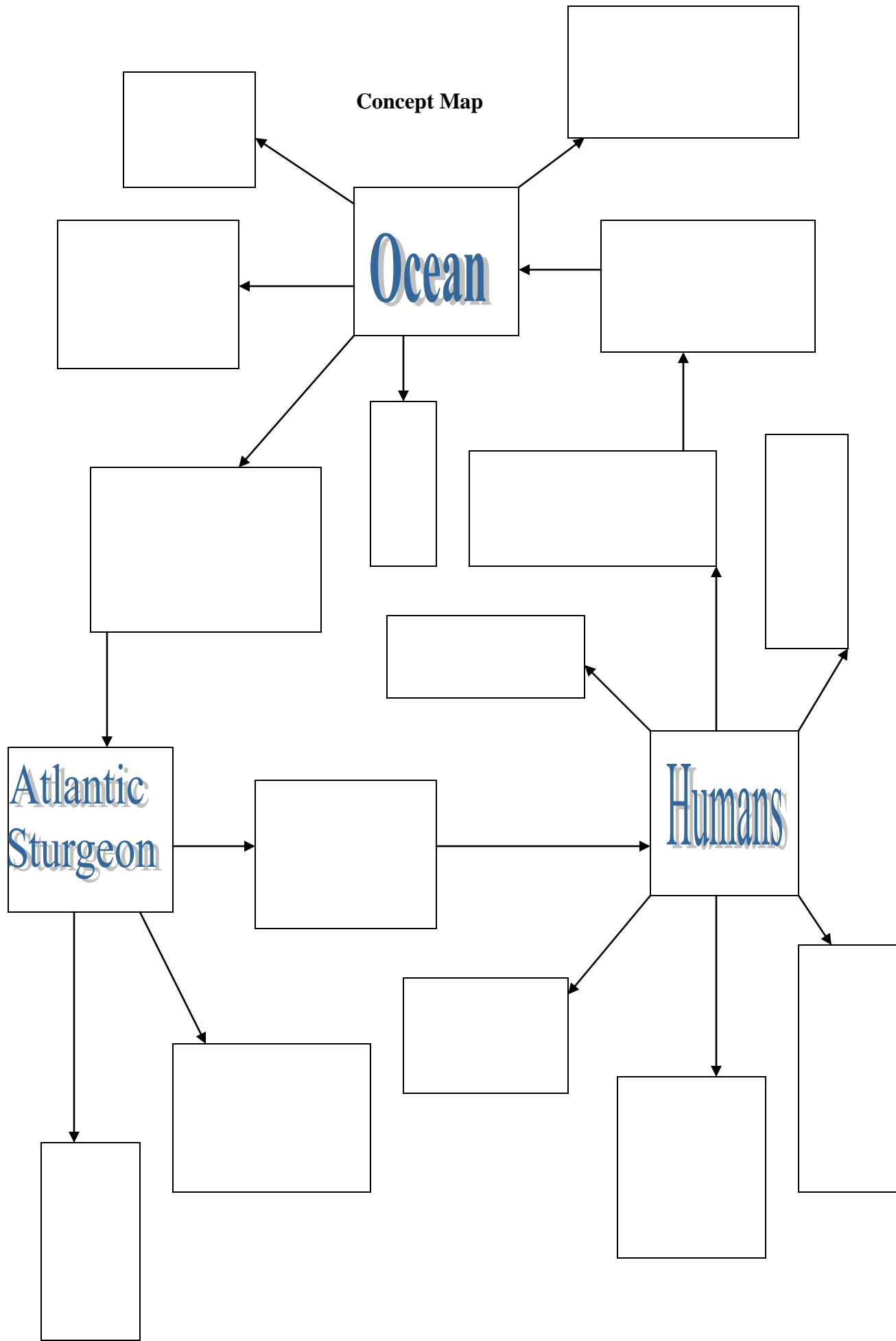
Brainstorming Cluster Map
Write your topic in the center
circle and details in the smaller
ones. Add circles as needed.

Topic